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10/564,529	01/13/2006	Natsumi Saito	282210US6PCT	1854

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OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, L.L.P.  
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ALEXANDRIA, VA 22314

EXAMINER
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TEKLE, DANIEL T

ART UNIT	PAPER NUMBER
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2621

NOTIFICATION DATE	DELIVERY MODE
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07/09/2010

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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## DETAILED ACTION

### *Response to Arguments*

Applicant's arguments filed March 23, 2010 have been fully considered but they are not persuasive.

Applicant argument regarding claims 1-13, the examiner respectfully disagrees. The examiner strongly believes the Ellis et al. discloses every limitation of the claims. Applicant argument and response to argument step by step reproduce below.

1. Applicant argument regarding the claim 1 limitation of "Ellis never describes or suggests **repeatedly transmitting request information** to an external apparatus every predetermined interval of time to request **real-time** broadcast information corresponding to contents of broadcast signal currently being received".

- Response to applicant argument, the examiner respectfully disagrees. Ellis discloses repeatedly transmitting reminder/recording request information between two individuals (paragraph 473-474). The request information can be for an upcoming program or for a program that has already aired and been recorded. In addition to the non-final office action paragraph 470 discloses a live video broadcasting and paragraph 477 teaches the use of real-time technology. Therefore as a whole of Ellis et al. invention anticipates every one limitation of the claims.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

Art Unit: 2621

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1-13 rejected under 35 U.S.C. 102(e) as being anticipated by Ellis et al.

(US 2006/0140584).

**Regarding Claim 1:** Ellis et al. discloses a recording apparatus comprising: setting means for setting a keyword (**paragraph 0228**); broadcast signal reception means for receiving a broadcast signal broadcast from a broadcast station (**paragraph 0228**); recording means for temporarily recording a last predetermined amount of the broadcast signal received by said broadcast signal reception means as broadcast data in a buffer on a recording medium (**paragraph 0028 and 0239**); communication means for repeatedly transmitting request information to an external apparatus every predetermined interval of time to request real-time broadcast information corresponding to contents of said broadcast signal currently being received (**paragraph 0006 and 0470 for live video with user request; paragraph 0478 for real-time broadcasting**), and receiving the real-time broadcast information which said external apparatus transmits in response to each transmission request information (**paragraph 0174-0175**); detection means for detecting whether or not real-time broadcast information received by said communication means includes said keyword (**paragraph 228, and 193**); and control means for controlling recording means to record broadcast data on recording medium as new recorded broadcast data in response to detection means detecting that real-time

**(paragraph 0006 and 0470 for live video with user request; paragraph 0478 for real-time broadcasting)** broadcast information includes keyword **(paragraph 0028, 0229-0230)**, such that a part of said broadcast data temporarily recorded in buffer is stored as a first portion of the new recorded broadcast data **(paragraph 0239)**.

**Regarding Claim 2:** Ellis et al. discloses a recording apparatus according to claim 1, wherein if said detection means detects that said broadcast information received by said communication means does not include said keyword while actually recording said broadcast data as new recorded broadcast data, control means stops the recording of said broadcast data as new recorded broadcast data **(paragraph 0299)**.

**Regarding Claim 3:** Ellis et al. discloses a recording apparatus according to claim 1, further comprising: a timer for outputting present time **(paragraph 0234)**; and acquisition means for acquiring program guide data from external apparatus, said program guide data including a broadcast station name, a program name, a program start time and a program end time, wherein said setting means sets the broadcast station name and the program name in addition to said keyword **(paragraph 0234 and fig. 25)**; and said broadcast signal reception means retrieves the program start time and program end time corresponding to said set program name from said program guide data based on said set broadcast station name and program name, and tunes in on the broadcast station corresponding to said set broadcast station name when the output of said timer corresponds to said program start time **(paragraph 0234)**.

**Regarding Claim 4:** Ellis et al. discloses a recording apparatus according to claim 1, wherein said recording means starts the recording of said broadcast data in buffer when said setting means sets the keyword, said broadcast data being recorded on said recording medium **(paragraph 0228)**.

**Regarding Claim 5:** Ellis et al. discloses a recording apparatus according to claim 1, further comprising a timer for outputting present time, wherein said control means specifies a beginning position of first portion of the new recorded broadcast data based on a content broadcast start time included in said broadcast information and the present time output from said timer, when said detection means detects that said broadcast information includes said keyword **(paragraph 0038)**.

**Regarding Claim 6:** Ellis et al. discloses a recording apparatus according to claim 5, wherein said control means stops the recording of said broadcast data as new recorded broadcast data when a content broadcast end time included in said broadcast information corresponds to the present time output from said timer **(Fig. 31 and paragraph 0298-0299)**.

**Regarding Claim 7:** Claim 7 reject for the same subject matter as claim 1 discussed above.

**Regarding Claim 8-12:** Claim 8-12 reject for the same subject matter as claim 2-6 respectively discussed above.

**Regarding Claim 13:** Claim 13 reject for the same subject matter as claim 1 discussed above.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANIEL TEKLE whose telephone number is (571)270-1117. The examiner can normally be reached on 7:30am to 5:00pm M-R and 7:30-4:00 Every other Friday..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha D. Banks-Harold can be reached on 571-272-7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2621

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Marsha D. Banks-Harold/  
Supervisory Patent Examiner, Art Unit 2621

/Daniel Tekle/  
Examiner, Art Unit 2621